

# State Water Resources Control Board Regional Water Quality Control Boards



1001 I Street, Sacramento, 916-341-5127 – email: personnel@waterboards.ca.gov

# ENVIRONMENTAL SCIENTIST EXAMINATION INTRODUCTION

The State Water Resources Control Board's, Environmental Scientist (Range A, B, and C) examination consists entirely of a **TRAINING AND EXPERIENCE EXAMINATION** which will be used to evaluate your education, training, experience and familiarity with or understanding of a particular subject or task. Candidates who meet the minimum qualifications as listed in the examination bulletin may take this examination. Meeting the minimum qualifications **does not** assure you a place on the eligible list.

All competitors who are successful in this examination will be eligible to be considered for a job opening with the State Water Resources Control Board and the nine (9) Regional Water Quality Control Boards. The eligible list consists of 3 ranks and will remain in existence for 1 year. Once your eligibility expires, you must reapply by submitting a new examination. Please be aware that placement on the eligibility list does not guarantee that you will be selected for a job opening.

As this examination is administered on a periodic basis, **candidates may participate only once during a 12 month period**. Therefore, if you are unsuccessful in this examination, you must wait 12 months to re-compete. If a candidate submits a second examination prior to the expiration of the 12 months, it will not be accepted.

Your responses are subject to verification. Applicants successful in this examination will be required to provide to the Personnel Office documentation of all education (transcripts and a diploma verifying your major field of study) and other documentation necessary to verify your responses. Providing false information on a State examination is a violation of State law, and could result in an individual being removed from an employment list and banned from future employment with the State.

**Veteran's Preference Points** – Are you a veteran, disabled veteran, spouse of a disabled veteran or widow of a veteran and have not previously been a permanent State of California employee? You may obtain a Veteran's Preference Eligibility form by accessing the State Personnel Board's website at <a href="https://www.spb.ca.gov/jobsgen/formsrd.cfm">www.spb.ca.gov/jobsgen/formsrd.cfm</a> or by calling 916-341-5127. Instructions on how to apply for the additional points are on the form.

Contact Information – You are responsible for keeping your contact information up to date. If you do not respond to an invitation for a job interview your name will be placed inactive on the eligible list and you will not be contacted for future interviews until you request that it be restored. If you do not respond to any combination of three invitations for interview or three offers of a job, your name will be permanently removed from the eligible list.

To update your name, address, phone number or location preference you must put your request in writing by either e-mail to the address above or fax your request to 916-341-5112.

(Please note: These changes MUST be made in writing and cannot be made by phone.)

#### ENVIRONMENTAL SCIENTIST

# SUPPLEMENTAL APPLICATION AND EXAMINATION

Thank you for your interest in California State civil service employment. The State of California is an Equal Employment Opportunity Employer. The Environmental Scientist examination will consist of a supplemental application/examination, which will be used to evaluate your knowledge, experience, education, training, familiarity or understanding of a particular subject or issue.

This is a scored test and will account for 100% of your score. It is important that you fill the examination out completely and accurately. YOUR RESPONSES ARE SUBJECT TO VERIFICATION.

To process your application and conform to requirements for statistical information from a number of State and Federal agencies, we need your Social Security Number, age, ethnic, disability, and gender information.

LAST NAME:	FIRST NAME AND MI:					
Please Print		Please Print				
STREET ADDRESS:						
CITY:Please Print	STATE:	ZIP CODE:				
HOME PHONE: ()						
SOCIAL SECURITY #:	rence Points, check for eligibility	y to retake the examination, and verify statements				
This question applies to individuals who have been that a DISMISSED State employee (an employee visusmissed) may only participate in State Civil Service the State Personnel Board. If this pertains to you, do Executive Officer to take this examination?	who previously worked the examinations if he or	for the State of California and was she has obtained prior consent from				
☐ Yes (Letter of permission must be attached	) □ No	□ Not Applicable				
IF YOU WERE DISMISSED AND DO NOT HAV THE STATE PERSONNEL BOARD TO TAKE TH EXAMINATION! You must receive permission and	IS EXAMINATION, ST	TOP HERE! DO NOT TAKE THIS				
THIS AFFIRMATION MUST BE COMPLETED I hereby certify and understand that the information period the best of my knowledge and contains no willful mis discovered that I have made any false representations	provided by me on this or srepresentation or falsific	cations. I also understand that if it is				
Signature (REQUIRED)						

RETURN ALL COMPLETED FORMS AND THE EXAMINATION TO:

SWRCB Personnel Office 1001 I Street, 18<sup>th</sup> Floor Sacramento, CA 95814 YOUR EXAMINATION RESULTS WILL BE MAILED TO YOUR HOME.

# AGE, ETHNICITY, AND DISABILITY FORM

# The information collected on this page will be filed separately and only used for the purposes specified.

To aid the State of California in its commitment to equal employment opportunity, all applicants are asked to voluntarily provide gender, age, ethnic, and disability information for statistical analysis.

	Age -	Selec	t the age group	that o	orrespon	ds to your	age
1□ 2□	Under 21 21 - 29		30 - 39 40 - 49		50 - 59 60 - 69	7□	70 and over
Spec	ify your gender:	<b>П</b> М	Iale	□ Fe	male		
Spec	ify your ethnicity						
1	Black—Persons having	; origi	ns in any of the b	olack r	acial grou	ps of Afric	ca.
2□	Asian—Persons having Asia, or the Ind		ns in any of the obcontinent. Thi	_			
4□	Hispanic—Persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.						
5□	White—Persons having the Middle East	-	ns in any of the	origin	al peoples	of Europe,	North Africa, or
6□	Pacific Islander—Pers	ons ha	aving origins in t	he Pa	cific Islan	ds, such as	Samoa.
7□	American Indian or A peoples of North American Indian or A affiliation or communit ENTER TRIBAL IDENTIF	ica, an y reco	d who maintain gnition.	cultur		-	
8□	Filipino—Persons havi	ng ori	gins in any of th	e origi	nal peopl	es of the Ph	nilippine Islands.
3□	Other—Not Listed (specify)						
Υ□	<b>DISABLED</b> —A personental impairment that speaking, breathing, personeself or working,; having such an impairment that speaking impairment impairment that speaking impairment impairmen	t substerform (2) ha	antially limits or ing manual tasks	ne or r s, seeii	nore life ang, hearing	ctivities, su g, learning,	ich as walking, caring for
HOW DID YOU LEARN OF THIS EXAMINATION?							
	ELEPHONE JOB LINE OVERTISEMENT IN						
ЦW	□ ADVERTISEMENT IN □ WORD OF MOUTH □ EXAMINATION BULLETIN LOCATED AT						
	KAMINATION BULLETIN . TERNET		IED AT				

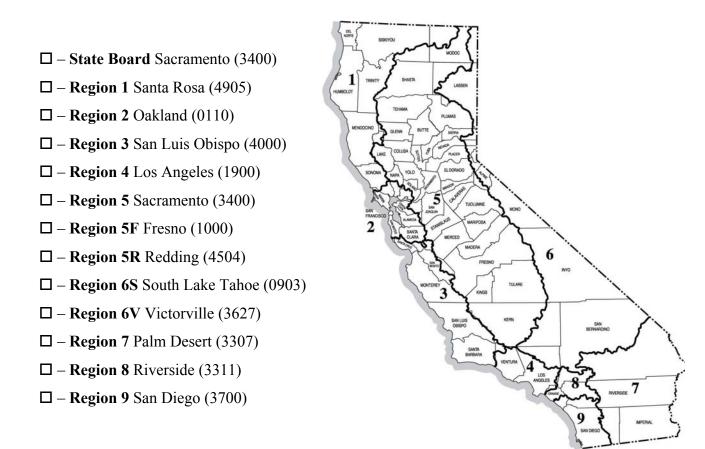
THANK YOU FOR COMPLETING THIS QUESTIONNAIRE

YOUR NAME	(PLEASE	<b>PRINT</b>	):
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## **LOCATION PREFERENCE**

Please indicate ANY and ALL locations where you would like to work by marking the box(s).

 $\Box$  – All locations (If checked, no further selections will be necessary) <sup>(5)</sup>



## INDICATE THE TYPE OF APPOINTMENT YOU WILL ACCEPT

(Please indicate ANY and ALL that apply by marking the box.)

Permanent Full Time (B)
Other Than Permanent Full Time (R) Part Time (Regular hours less than 40) Limited Term (Up to 24 months) Intermittent (On-call and hourly - not more than 1500 hours per year)
Will Consider All Types of Employment (A)

YC	OUR NAME (PLEASE I	PRIN	TT):		
			MINIMUM QUALIFICATIO	)NS	SECTION
mii anr	nimum requirements for	or thate "	ne classification of Environn	nenta	e with this examination, you must meet the l Scientist detailed in the examination qualification questions in this section, do not
	REQUIRE		NTS FOR ADMITTANCE TO NOTE: All applicants must me requirements for this cla prior to submitting this ex	eet th ssific	e education cation
env pro	vironmental science or a	clo: emic	sely related scientific disciplin	e. (A	major in a biological, chemical, physical, or admission to a masters or doctoral degree ce, or a closely related scientific discipline
			gnized institution will admit app can be considered eligible for ap		ts to the examination, but they must produce tment.
			INDICATE ALL THAT	<b>AP</b>	PLY
	<ul> <li>□ Registered Senior.</li> <li>□ Bachelor's degree in one of the majors listed below.</li> <li>□ Master's Degree in one of the majors listed below.</li> <li>□ PHD in one of the majors listed below.</li> </ul>				
			APPROVED COLLEGE I	EGF	REES
	Agriculture	_	(Please mark your degree Environmental Toxicology		elow) Oceanography
00000000000000000	Agronomy Aquatic Biology Aquatic Ecology Biochemistry Biological Conservation Biological Science Biology Botany Chemistry Crop Science Earth Science Ecology Entomology Environmental Health Environmental Science Environmental Studies		Epidemiology Fisheries Fisheries Management Forestry Geology Horticulture Human Biology Hydrogeology Limnology Marine Biology Marine Environmental Science Marine Sciences Microbiology Natural Resources Management Natural Resources Sciences Ocean Sciences		Plant Pathology Plant Physiology Public Health Science/Engineering (PHD program at UCLA) Silviculture Soil Physics Soil Science Soils and Irrigation Soil and Water Science Toxicology Water Quality Water Science Watershed Management Wildlife Management Zoology Other Related:
	() Emphasis				
	Please identif	y the	e name and location of the Co	11206	or University you attended:

Troube identity the name and identified of the conege of offiversity you attended.

#### **EXAMINATION FOR ENVIRONMENTAL SCIENTIST**

#### **TECHNICAL SKILLS**

## USE THE FOLLOWING RATINGS TO RESPOND TO THE NEXT THREE QUESTIONS.

- A. I am proficient in the use of advanced features.
- B. I am proficient in the use of basic features.
- C. I have minimal or no knowledge.

Not answering a question will be scored as an "I have minimal or no experience with the following products" answer.

IN YOUR RESPONSES YOU MAY INCLUDE COLLEGE COURSES, AND PAID, OR VOLUNTARY WORK EXPERIENCE

COM	PUTER SKILLS
1.	Spreadsheet software
$\Box A$ .	I am proficient in the use of advanced features.
<b>□</b> B.	I am proficient in the use of basic features.
<b>□</b> C.	I have minimal or no knowledge.
2.	Database software
$\Box$ A.	I am proficient in the use of advanced features.
<b>□</b> B.	I am proficient in the use of basic features.
<b>□</b> C.	I have minimal or no knowledge.
3.	Word processing software
$\Box$ A.	I am proficient in the use of advanced features.
□В.	I am proficient in the use of basic features.

□C. I have minimal or no knowledge.

#### USE THE FOLLOWING RATINGS TO RESPOND TO ALL REMAINING QUESTIONS.

- A. I am technically proficient to the point where I can perform this task independently.
- B. I have received education or training but would need guidance to perform the task.
- C. I have received little or no education or training in this task.

Not answering a question will be scored as an "I have received little or no education or training in this task" answer.

IN YOUR RESPONSES YOU MAY INCLUDE COLLEGE COURSES, AND PAID, OR VOLUNTARY WORK EXPERIENCE

#### GENERAL KNOWLEDGE

1.	Participate in public meetings to inform interested persons and groups about
	environmental issues.
$\Box$ A.	I am technically proficient to the point where I can perform this task independently

□B. I have received education or training but would need guidance to perform the task.

**Q**C. I have received little or no education or training in this task.

2. □A. □B. □C.	Analyze and interpret scientific literature.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
3. □A. □B. □C.	Assessing quality of environmental data.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>4.</b> □ A. □ B. □ C.	Application of the principles of environmental ecology.  I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
<b>5.</b> □ A. □ B. □ C.	Application of statistical methods of analysis.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>6.</b> □A. □B. □C.	Principles of land use practices with reference to their general effect on human health and the environment.  I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
<b>7.</b> □ A. □ B. □ C.	Principles of land and water resources research.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>BIOL</b> 6 <b>8.</b> □A. □B. □C.	OGICAL/HABITAT EVALUATION  Botanical field studies.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>9.</b> □ A. □ B. □ C.	Wildlife field investigations.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>10.</b> □ A. □ B. □ C.	Fisheries stream surveys (habitat evaluation).  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.

11 <b>.</b> □A. □B. □C.	I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
<b>12.</b> □ A. □ B. □ C.	Perform an ecological risk assessment.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>13.</b> □ A. □ B. □ C.	Review an ecological risk assessment.  I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
WETI	LAND DELINEATIONS
14. □A. □B. □C.	Perform wetland delineations according to federal guidelines.  I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
<b>15.</b> □ A. □ B. □ C.	Develop a wetland monitoring program.  I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
<b>16.</b> □ A. □ B. □ C.	Develop any aspect of wetland mitigation, restoration, or enhancement plans. I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
THRE	CATENED OR ENDANGERED SPECIES
17. □A. □B. □C.	Use of Department of Fish and Game Rare Find Database.  I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
<b>18.</b> □ A. □ B. □ C.	Conduct field investigations for threatened or endangered species.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>19.</b> □ A. □ B. □ C.	Develop mitigation measures and/or plans for threatened or endangered species. I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.

SURF	ACE WATER
<b>20.</b> □ A. □ B. □ C.	Develop a surface water sampling plan.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>21.</b> □ A. □ B. □ C.	Collect surface water samples.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>22.</b> □ A. □ B. □ C.	Ability to identify the difference between a sewer system and a storm drain system.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>23.</b> □ A. □ B. □ C.	Ability to identify the types of pollution that commonly enter storm drains.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>24.</b> □A. □B. □C.	Ability to identify storm water discharges and associated impacts on human health and/or the environment.  I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task
<b>25.</b> □ A. □ B. □ C.	Ability to identify the components that contribute to sources of pollutants in surface runoff. I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task
<b>26.</b> □A. □B. □C.	Ability to identify the components that contribute to sources of pollutants in agricultural runoff.  I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task
<b>27.</b> □A. □B. □C.	Ability to identify the components that contribute to sources of pollutants in timber harvest activities.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.

28.	Ability to identify impacts of chemicals on surface waters (lakes, estuaries, bays, streams, etc) and aquatic life.
□A. □B. □C.	I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
29.	Ability to identify impacts of bacteria/coliform on surface waters (lakes, estuaries, bays, streams, etc) and aquatic life.
□A. □B. □C.	I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
30.	Ability to identify impacts of nutrients on surface waters (lakes, estuaries, bays, streams, etc) and aquatic life.
□A. □B. □C.	I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
GROU	UNDWATER
31. □A. □B. □C.	Develop a groundwater monitoring plan.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>32.</b> □ A. □ B. □ C.	Collect groundwater samples.  I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
<b>33.</b> □ A. □ B. □ C.	Measure groundwater elevation.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>34.</b> □ A. □ B. □ C.	Draw groundwater elevation contours.  I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.
<b>35.</b> □ A. □ B. □ C.	Determine hydraulic conductivity.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.

<b>36.</b> □ A. □ B. □ C.	Slug testing in the field for hydraulic conductivity.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>37.</b> □A. □B. □C.	Pump tests in the field for hydraulic conductivity.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>38.</b> □ A. □ B. □ C.	Review groundwater analytical data.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
WATI 39. □A. □B. □C.	ERSHED MANAGEMENT  Develop a study design for identifying sources of pollutants within a watershed.  I am technically proficient to the point where I can perform this task independently.  I have received education or training but would need guidance to perform the task.  I have received little or no education or training in this task.
<b>40.</b> □ A. □ B. □ C.	<b>Develop recommendations or planning tools for pollutant reduction in a watershed.</b> I am technically proficient to the point where I can perform this task independently. I have received education or training but would need guidance to perform the task. I have received little or no education or training in this task.

END
DO NOT SEND ELECTRONICALLY. AN ORIGINAL SIGNATURE IS REQUIRED